

ABSTRACT OF THE DISCLOSURE

A material stock advancing apparatus for use with a turning and milling machine having a computerized numeric controller or lacking programmable capabilities. The material stock advancing apparatus generally comprising an elongate body of cylindrical form having first and second ends and an interior chamber for housing therein a plunger assembly operably working therewithin. The second end comprising means for attaching the elongate body to an external holding device such as a collet or chuck adapter seated in a headstock spindle assembly. The first end comprising an end plug having a threaded section situated in between external and internal ends thereof, with the threaded section being threadably attached to the first end to permit the internal end to substantially engage a portion of the plunger assembly and ensure proper axial positioning of the plunger assembly during cyclic operation. The plunger assembly comprising a ram operably acting longitudinally within the interior chamber of the elongate body via biasing means comprising at least one spring operably acting in conjunction with controller means used in opening and closing the external holding device, which collectively controls the advancement of material stock toward and beyond the second end to permit the machining thereof for conversion into a useful product.